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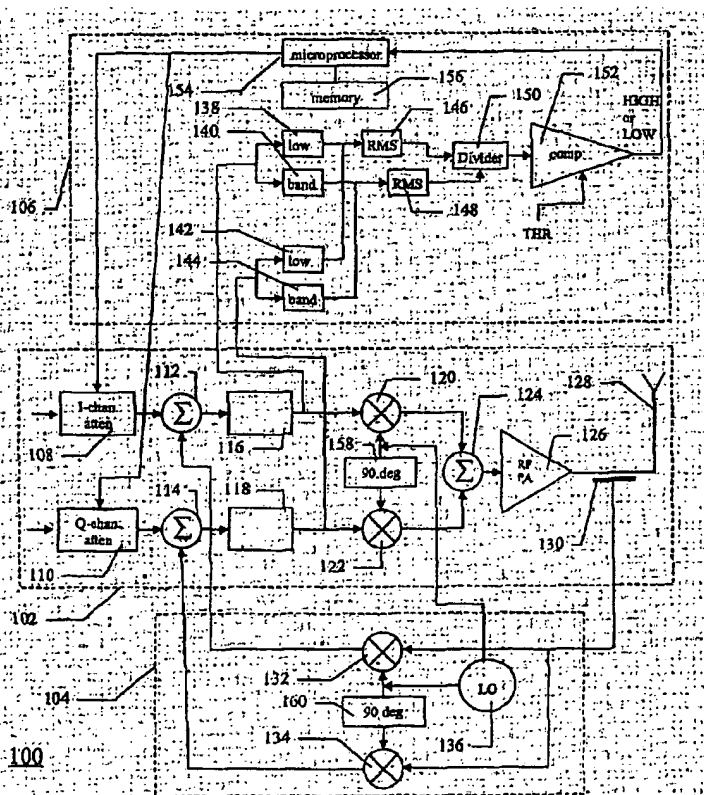
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(54) Title: **CARTESIAN LOOP TRANSMITTER AND METHOD OF ADJUSTING AN OUTPUT LEVEL OF SUCH TRANSMITTER**



(57) Abstract: In accordance with the present invention there is those provided a Cartesian loop transmitter (100) having an isolator eliminator circuitry (106) comprising a set of low pass (138, 142) and band pass (140, 144) filters for each of an I- and Q-channels, root mean square detectors (146, 148) and a divider (150) connected to a comparator (152) are received by a microprocessor (154) which controls attenuation setting. There is also provided a method of adjusting an output level of such transmitter (100). Said method comprises the step of measuring an on-channel signal level (206) and a noise level (208) and then calculating a ratio of said noise to said on-channel signal (214). If the ratio exceeds a defined threshold (216) an attenuation of the input attenuators is increased (218).



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